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COTTON GIN EQUIPMENT
JULY 1976

There were 3,000 active gin batteries in the United States in July 1976, according to the Department of Agriculture, Agricultural Marketing Service. This compares with 3,200 active gin batteries a year earlier and 3,400 two years ago.

All batteries except two, were equipped with seed cotton driers and all but six had lint cleaners. Most of the batteries had two or more stages of seed cotton drying and lint cleaning. Over one-half of the gin batteries were equipped with automatic bulk feed controls, bur extractors and stick and green leaf machines.

By July 1976, almost 2,000 gins had modified their flat gin presses to produce a bale that could be pressed to universal density and size. By July last year almost 1,500 gins were using modified flat gin presses. Universal density presses were in use in 130 gins by July 1976, up from 109 a year earlier.

A total of 279 gins was equipped with mechanical samplers, up from 253 a year earlier. Nearly three-fourths of the samplers were on gins located in Texas, Arizona and California.

Over 86 percent of the active gin batteries were using electricity as the source of power for gin stands. The remaining 14 percent were powered by either diesel fuel, bottled gas or natural gas.

July 27, 1976

Cotton gin batteries with specified kinds of equipment, by states and United States, July 1976

States and United States	Total gin batteries 1/	Number of gin batteries having:												Stick & green leaf machine	Bur extractor	Overflow by-pass	Mechani- cal sampler
		Automatic bulk feed control	Seed cotton driers	Stages of drying			Lint cleaners	Stages of lint cleaning			4 or more						
				No.				No.									
				1	2	3 or more		1	2	3							
N. Carolina 3/	58	27	58	26	28	4	58	18	29	11	-	36	34	40	-		
S. Carolina	112	45	112	49	62	1	110	24	62	23	1	30	75	25	1		
Georgia	107	55	107	26	70	11	107	12	76	19	-	40	83	64	11		
Florida	3	2	3	-	3	-	3	-	2	1	-	-	3	2	1		
Alabama	164	86	163	41	121	1	163	8	102	49	4	38	125	90	14		
Mississippi	409	276	408	70	328	10	409	56	282	70	1	77	254	354	17		
Tennessee	158	84	158	28	107	23	158	11	90	53	4	69	85	112	3		
Missouri	97	79	97	7	88	2	97	4	52	40	1	34	60	79	3		
Arkansas	338	193	338	52	269	17	338	56	212	65	5	171	165	264	10		
Louisiana	123	86	123	5	109	9	123	5	81	35	2	51	91	100	16		
Oklahoma	97	45	97	42	52	3	97	39	58	-	-	96	61	82	-		
Texas	897	471	897	226	600	71	894	195	624	68	7	809	652	742	71		
New Mexico	46	26	46	16	28	2	46	5	27	12	2	19	34	34	-		
Arizona	117	100	117	19	81	17	117	10	69	32	6	65	74	95	20		
California 4/	244	239	244	5	172	67	244	1	146	88	9	106	127	225	112		
United States	2,970	1,814	2,968	612	2,118	238	2,964	444	1,912	566	42	1,641	1,923	2,308	279		

Cotton gin batteries with specified kinds of equipment, by states and United States, July 1976 -- Continued

States and United States	Total gin batteries 1/	Number of batteries having:					Number of batteries having the following sources of power for gin stands				
		Flat gin presses	Modified flat gin presses 2/	Universal density presses	Standard density presses	High density presses	Electricity	Diesel fuel	Bottled gas	Natural gas	Other
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
N. Carolina 3/	58	58	-	-	-	-	58	-	-	-	-
S. Carolina	112	111	-	1	-	-	112	-	-	-	-
Georgia	107	102	1	4	-	-	101	6	-	-	-
Florida	3	3	-	-	-	-	3	-	-	-	-
Alabama	164	160	2	-	2	-	154	10	-	-	-
Mississippi	409	20	353	30	6	-	341	29	15	25	-
Tennessee	158	36	118	-	4	-	137	21	-	-	-
Missouri	97	3	89	3	2	-	67	25	-	1	4
Arkansas	338	40	277	14	7	-	235	46	20	38	-
Louisiana	123	4	83	27	9	-	77	6	5	35	-
Oklahoma	97	1	93	3	-	-	71	1	5	20	-
Texas	897	7	852	29	9	-	799	22	26	56	-
New Mexico	46	-	45	-	1	-	45	-	-	1	-
Arizona	117	59	38	4	16	-	117	-	-	-	-
California 4/	244	160	3	15	57	10	243	-	-	1	-
United States	2,970	764	1,954	130	113	10	2,560	166	71	177	4

1/ Saw and roller gin batteries.

2/ A flat gin press box converted to form a bale 24 inches in width.

3/ Includes one battery in Virginia.

4/ Includes one battery in Nevada.

